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Database :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Title:
Perfect score:
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Listing first 45 summaries
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     SPTREMBL_17:*

1: sp_bacteria.
2: sp_bacteria.
3: sp_fungi:*
4: sp_human:*
5: sp_inverteb;
6: sp_mammal:*
7: sp_mhc:*
8: sp_organel1.
9: sp_phage:*
10: sp_plant:*
11: sp_rodent:
12: sp_virus:*
13: sp_vertebr
14: sp_unclass
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    January 30, 2002, 11:48:41; Search time 50.08 Seconds (without alignments) 37.970 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                        473505 segs, 146272329 residues
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Gapop 10.0 , Gapext 0.5
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sp_organelle:*
sp_phage:*
sp_plant:*
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Copyright (c) 1993 - 2000 Compugen Ltd.
                                                                                                                      sp_archea:*
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sp_human:*
sp_invertebrate:*
sp_mammal:*
sp_mammal:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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51	51	51	51	51.5	51.5	51.5	51.5	51.5	52	52	52	52.5	52.5	53	55.5	55.5	56	57	Score
51.5	51.5	51.5	51.5	52.0	52.0	52.0	52.0	52.0	52.5	52.5	52.5	53.0	53.0	53.5	56.1	56.1	56.6	57.6	Query Match 1
1173	1173	1173	1173	2970	321	209	196	109	1245	301	157	1231	970	95	676	165	236	1662	Query Match Length DB
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Q990M1	Q990M2	Q990M3	Q990M4	056073	Q9SJZ8	Q08194	Q08195	Q40548	Q9Y7V5	Q915M4	Q9Y0E8	082276	080790	Q9LQN0	Q9FG26	Q9SNN3	Q9KFN3	P71431	ĬĎ
human	Q990m2 human coron	Q990m3 human coron	Q990m4 human coron	056073 hepatitis g	~			æ		Q9i5m4 pseudomonas	Q9y0e8 drosophila		_	_	Q9fg26 arabidopsis	Q9snn3 oryza sativ	Q9kfn3 bacillus ha	P71431 leptothrix	Description

45	44	43	42	41	40	39	38	37	36	35	34	ω ω	32	31	30	29	28	27	26	25	24	23	22	21	20
47	47	47	47	47.5	47.5	48	48	48	48	48	48	49	49	49	49	49	49	49	49	49.5	49.5	49.5	50	50.5	51
47.5	47.5	47.5	47.5	48.0	48.0	48.5	48.5	48.5	48.5	48.5	48.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	50.0	50.0	50.0	50.5	51.0	51.5
233	138	133	73	752	111	1172	947	485	314	236	196	1053	746	669	492	467	251	169	141	723	491	257	83	560	1383
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Q9SI81	Q9D3H6	Q9VX67	Q9RWQ6	Q9KQW8	Q18753	Q9LP05	Q9LDL8	Q9AFK1	Q9ZUY7	Q9P0T8	Q9LP00	Q9BXX0	Q9ЛН31	018300	Q9AV15	Q19573	052853	Q9Y9Q4	Q9CZA1	Q9DUC4	Q9BU12	Q56924	Q9WYF1	044626	Q84712
Q9si81 arabidopsis	Q9d3h6 mus musculu	Q9vx67 drosophila	Q9rwq6 deinococcus	Q9kqw8 vibrio chol	Q18753 caenorhabdi	Q91p05 arabidopsis	Q9ldl8 arābidopsis	Q9afkī shigella fl	Q9zuy7 arabidopsis	Q9p0t8 homo sapien	Q9lp00 arabidopsis	Q9bxx0 homo sapien	Q9jh31 tt virus. o	018300 caenorhabdi	Q9av15 oryza sativ	Q19573 caenorhabdi	052853 bacillus sū			4			Q9wyf1 thermotoga	044626 caenorhabdi	Q84712 porcine epi

## ALIGNMENTS

SIGNAL 1 3 CHAIN 34 166 SEQUENCE 1662 AA;	Corstjens P.L.; Submitted (SEP-199 Submitted (SEP-199 EMBL; Z25774; CAA8 InterPro; IPR00186 PROSITE; PS00962;	RN [3]  RP SEQUENCE FROM N.A.  RC STRAIN-SS-1;  RA COTSTJENS P.L.A.M., de V  RL Geomicrobiol. J. 14:91-1  RN [4]  RN [4]  RN SEQUENCE FROM N.A.  RC STRAIN-SS-1.	SEQUENCE OF 1-1150 FROM STRAIN-SS-1; COTSTJENS P.L.; Thesis (1993), Biochemi: [2] [2] SEQUENCE FROM N.A. STRAIN-SS-1; COTSTJENS P.L.; Submitted (AUG-1993) to	771431; 77431; 1-FEB-199 1-FEB-199 1-JUN-200 OFA GENE OFA GENE eptothrix acteria; acteria; CBI_TaxII	RESULT 1
3 POTENTIAL. 2 POTENTIAL. 174292 MW; 639EE238600D9246 CRC64;	6) to the EMBL/GenBank/DDBJ databases. 11037.1; 15; Rlbosomal_S2. RIBOSOMAL_S2_1; UNKNOWN_1.	 14:91-108(1997).	N.A. stry, Leiden University, The Netherlands. the EMBL/GenBank/DDBJ databases.	PRELIMINARY; PRT; 1662 AA.  77 (TrembLrel. 02, Created) 77 (TrembLrel. 02, Last sequence update) 78 (TrembLrel. 17, Last annotation update) ENCODING MANGANESE OXIDIZING PROTEIN PRECURSOR.  6 discophora. 6 proteobacteria; beta subdivision; Comamonadaceae; 6 c. 189;	

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Matches
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EMBL; AP00
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Q9SNN3;
01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-MAY-2000 (TrEMBLrel. 13, Last annotation update)
HYPOTHETICAL PROTEIN.
                                                                                                                                                       Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnollophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae; Oryzeae; Oryza. NCBI_TaxID-4530;
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01-OCT-2000
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MEDLINE-20512582; PubMed-11058132;
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01-OCT-2000
                                                       SEQUENCE
                                                                                       "Oryza sativa nipponbare(GA3) genomic clone:P0493C11.";
                                                                                                            STRAIN=CV. NIPPONBARE;
Sasaki T., Matsumoto T.,
                                                                                                                                     SEQUENCE FROM N.A.
                                                                                                                                                                                                       Oryza sativa (Rice).
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                                                      tted (OCT-1999) to the EMBL/GenBank/DDBJ
AP000559; BAA84796.1; -.
NCE 165 AA; 18358 MW; 9EE82A558ED22DF
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Similarity 7; Conserv
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77.8%;
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Score 55.5; I
Pred. No. 3.1;
1; Mismatches
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OSFG26;

O1-MAR-2001 (TrEMBLrel. 16, Created)
O1-MAR-2001 (TrEMBLrel. 16, Last sequence update)
O1-MAR-2001 (TrEMBLrel. 16, Last sequence update)
O1-MAR-2001 (TrEMBLrel. 16, Last annotation update)
NON-LTR RETROELEMENT REVERSE TRANSCRIPTASE-LIKE.
Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; VIridiplantae; Streptophyta; Embryophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eueurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Structura. 2000) to the EMB Submitted (MAY-2000) to the EMB EMBL; AP002032; BAB09815.1; ... RNA-directed DNA polymerase. 676 AA; 76665 MW;
                                                                                                            STRAIN-CV. COLUMBIA;
Liu S. X., Chan A., Yu G., Lee J.M., Lenz C., Pham P., Sakano H.,
Liu S. X., Chan A., Yu G., Lee J.M., Lenz C., Pham P., Sakano H.,
Toriumi M., Vysotskaia V.S., Chin C., Chiou J., Choi E., Chung M.,
Gonzalez A., Howng B., Liu A., Vaysberg M., Altafi H., Brooks S.,
Buehler E., Chao Q., Conn L., Conway A.B., Hansen N.F.,
Johnson-Hopson C., Khan S., Kim C., Lam B., Miranda M., Nguyen M.,
Palm C.J., Shinn P., Southwick A., Davis R.W., Ecker J.R.,
Federspiel N.A., Theologis A.;
"The sequence of BAC F5D14 from Arabidopsis thallana chromosome 1.
                                                                                                                                                                                                                                                                                     Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core e
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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RESULT
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InterPro; IPR000477; RVTse.
Pfam; PF00078; rvt; 2.
RNA-directed DNA polymerase.
                                                                                                                                                                                                                                                                                                                                                                         Rounsley S.D., Lin X., Ketchum K.A., Crosby M.L., Brandon R.C., Sykes S.M., Kaul S., Mason T.M., Kerlavage A.R., Adams M.D., Symerville C.R., Venter J.C.; "Arabidopsis thaliana chromosome II BAC T12J2 genomic sequence."; submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core e
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosid
                                         PUTATIVE REVERSE T16B12.11.
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Pred. No. 36;
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01-NOV-1999 (TrEMBLrel. 12, Created)

01-NOV-1999 (TrEMBLrel. 12, Last sequence update)

01-JUN-2001 (TrEMBLrel. 17, Last annotation update)

SALIVARY GLAND SECRETION PROTEIN (FRACMENT).
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ROUBSLEY S.D., Lin X., Kaul S., Shea T.P., Fujii C.Y., Mason T.M.,
Shen M., Ronning C.M., Fraser C.M., Somerville C.R., Venter J.C.;
"Arabidopsis thaliana chromosome II BAC T16B12 genomic sequence.";
Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.
-!- SIMILARITY: TO RNA-DIRECTED DNA POLYMERASE (REVERSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Roth G.E., Wattler S., Bornschein H., Lehn "Structure and regulation of the salivary Sgs-1 of Drosophila melanogaster.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SGS1 OR SGS-1 OR CG3047.

Drosophila melanogaster (Fruit fly).

Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;

Eterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;

Ephydroidea; Drosophilidae; Drosophila.
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InterPro; IPR000477; RVTse.
InterPro; IPR000169; Thiolprot_act_site.
Pfam; PF00078; rvt; 1.
PROSITE; PS00639; THIOL_PROTEASE_HIS; UNKNOWN_1.
RNA-directed DNA polymerase.
  01-MAR-2001
01-JUN-2001
                                                 Q9I5M4;
01-MAR-2001
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EMBL; AF156228; AAD43808.1; -.

EMBL; BEB00003372; Sgs1.

InterPro; IPR002965; P_rich_extensn.
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Pred. No. 8.1;
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RX MEDLINE-20437337; PubMed=10984043;

RA Stover C.K., Pham X.-Q.T., Erwin A.L., Mizoguchi S.D., Warrener P.,

RA Hickey M.J., Brinkman F.S.L., Hufnagle W.O., Kowalik D.J., Lagrou M.,

RA Hickey M.J., Brinkman F.S.L., Hufnagle W.O., Kowalik D.J., Lagrou M.,

RA Garber R.L., Goltry L., Tolentino E., Westbrock-Wadman S., Yuan Y.,

RA Brody L.L., Coulter S.N., Folger K.R., Kas A., Larbig K., Lim R.M.,

RA Smith K.A., Spencer D.H., Wong G.K.-S., Wu Z., Paulsen I.T.,

RA Reizer J., Saier M.H., Hancock R.E.W., Lory S., Olson M.V.;

"Complete genome sequence of Pseudomonas aeruginosa PAO1, an

Opportunistic pathogen.";

RI Nature 406:959-964(2000).

DR EMBL, AE004506; AAG04091.1; -.

DR EMBL, AE004506; AAG04091.1; -.

DR EMBL, AE004506; AAG04091.1; -.

DR EMBL, AE004506; AAG04091.1; -.
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Q9Y7V5;
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01-NOV-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Puyesky M., Benhamou N., Ponce Noyola P., Bauw G., Ziv T., van Montagu M., Herrera Estrella A., Horwitz B.A.; "Developmental regulation of a gene encoding a multidomain conidiospore surface protein of Trichoderma, cmpl."; Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases. EMBL; AJ133651; CAB40045.1; ".

SEQUENCE 1245 AA; 135824 MW; 3249C749AFAOCDF8 CRC64;
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7; Conservative
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(TrEMBLrel. 12, Last sequence update)
(TrEMBLrel. 12, Last annotation update)
E SURFACE PROTEIN.
     (TrEMBLrel.
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                                                                                                                                                                                                                                                                                                                      Conservative
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33816 MW; 09FC2935E490ABD7 CRC64;
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62.5%;
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Best Local :
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                                                                                                                   MEDLINE-93342083; PubMed-8341705; Wu H.M., Zou J., May B., Gu Q., Cheung A.Y.; Wu t.Dacco gene family for flower cell wall proteins with a proline-rich domain and a cysteine-rich domain."; Proc. Natl. Acad. Sci. U.S.A. 90:6829-6833(1993). EMBL; L13440; AAA3406.1; -. Mendel; 16902; Nicta; 2747;16902. SEQUENCE 196 AA; 21913 MW; 4C44E23C5B706E30 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                           Nicotiana tabacum (Common tobacco).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Spermatophyta; Magnoliophyta; eudicotyledons; Nicotiana.
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SEQUENCE
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-!- DEVELOPMENTAL STAGE: EXPRESSION BEGINS IN FLORAL BUDS AFTER |
DIFFERENTIATION AND LEVELS GRADUALLY INCREASE DURING FLOWER
DEVELOPMENT TOWARD ANTHESIS. LEVELS GRADUALLY DECREASE AFTER
POLLINATION AND ARE ABSENT BY THE SIXTH DAY AFTER POLLINATION
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Nicotiana tabacum (Common tobacco).
Sukaryota; Viridiplantae; Streptophyta; Embryophyta; Trach
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicot
Asteridae; euasterids I; Solanales; Solanaceae; Nicotiana.
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InterPro; IPR002965; P_rich_extensn.
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MEDLINE-93005740; PubMed=1392607;
Goldman S., Pezzotti M., Seurinck J., Mariani C.;
"Developmental expression of tobacco pistil-specific genes encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
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Similarity 7; Conserv
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; Pred. No. 6.7;
1; Mismatches
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Pred. No. 1
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3 X 5 AA REPEATS OF S-P(4).
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01-MAY-2000 (TrEMBLrel. 13, Last annotation update)
PUTATIVE NON-LTR RETROELEMENT REVERSE TRANSCRIPTASE.
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Plant Cell 4:1041-1051(1992).

-!- TISSUE SPECIFICITY: PISTIL (STIGMA AND STYLE TISSUE).

-!- DEVELOPMENTAL STAGE: EXPRESSION BEGINS IN FLORAL BUDS AFTER PISTIL DIFFERENTIATION AND LEVELS GRADUALLY INCREASE DURING FLOWER DEVELOPMENT TOWARD ANTHESIS. LEVELS GRADUALLY DECREASE AFTER POLLINATION AND ARE ABSENT BY THE SIXTH DAY AFTER POLLINATION.
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01-JAN-1998 (TIEMBLIEL 05, Last sequence update)
01-JUN-2000 (TIEMBLIEL 14, Last annotation update)
PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR
(CYSTEINE-RICH EXTENSIN-LIKE PROTEIN 1).
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Z14020; CAA78398.1; -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nicta; 2747; 16901.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       52.0%;
43.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23351 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Solanales; Solanaceae; Nicotiana.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Glycoprotein; Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 51.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N-LINKED (GLCNAC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN 5 X 5 AA REPEATS OF S-P(4).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  POTENTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12198BE2B8E08ED5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                         321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 209
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 209;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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ACCORPORATE AND DESCRIPTION OF THE PROPERTY OF
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056073
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
  Erker J.C., Desai S.M., Leary T.P., Chalmers M.L., Monte Mushahwar I.K.;
Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.
--- SIMILARITY: TO HEPATITIS C VIRUS RNA DEPENDENT RNA FEMBL; AF023424; AAC40501.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-JUN-1998 (TrEMBLrel. 06, 01-JUN-1998 (TrEMBLrel. 17, 01-JUN-2001 (TrEMBLrel. 17, GENOME POLYPROTEIN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Buell C.R., Ketchum K.A., Lee J.J., Ronning C.M., Koo H., Moffat K.S., Cronin L.A., Shen M., Vanaken S.E., Umayam L., Tallon L.J., Gill J.E., Adams M.D., Carrera A.J., Creasy T.H., Goodman H.M., Somerville C.R., Copenhaver G.P., Preuss D., Nierman W.C., White O., Eisen J.A., Salzberg S.L., Fraser C.M., Venter J.C., "Sequence and analysis of chromosome II of Arabidopsis thaliana."; Nature 402:761-768(1999).
                                                                                                                                                             SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                   monkeys.
                                                                                                                                                                                                                                                                                                        Erker J.C., Des
Mushahwar I.K.;
                                                                                                                                                                                                                                                                                                                                                           MEDLINE=98120818;
                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Leary T.P., Desai S.M., Erker J.C., Mushahwar I.K.; "The sequence and genomic organization of a GB virus A variant isolated from captive tamarins.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=97437486; PubMed
Leary T.P., Desai S.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE-97126113; PubMed-8971037;
Leary T.P., Desai S.M., Yamaguchi J., Chalmers M.L., Schlauder G.G.,
Dawson G.J., Mushahwar I.K.;
                                                                                                                                                                                                                                                                     "Genomic analysis of two GB virus A variants
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 056073;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=20083487; PubMed=10617197;
Lin X., Kaul S., Rounsley S.D., Shea T.P., Benito M.-I.,
Fujii C.Y., Mason T.M., Boomman C.L., Barnstead M.E., Feli
Buell C.R., Ketchum K.A., Lee J.J., Ronning C.M., Koo H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosid
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
NCBI_TaxID=3702;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              056073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RNA-directed DNA polymerase. SEQUENCE 321 AA; 36192 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hepatitis GB virus A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Species-specific variants of GB virus A in captive monkeys .";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A
                                                                                                                                                                                                                  Gen. Virol. 79:41-45(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 90 WPTVFVMAVWWGWKW 104
                                                                                                                                                                                                                                                                                                                                                                                                                                              Gen. Virol.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 WP-----WWPWKW 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AC006592; AAD22368.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ssRNA positive-strand viruses,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               70:9028-9030(1996).
                                                                                                                                                                                                                                                                                                                       20818; PubMed=9460920;
Desai S.M., Leary T.P., Chalmers M.L., Montes C.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COLUMBIA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                           78:0-0(0).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PubMed=9292019;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       52.0%;
46.7%;
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Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 51.5; D
Pred. No. 18;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 43736712301D41BA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2970 AA
                                         RNA DEPENDENT RNA POLYMERASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     no DNA stage; Flaviviridae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 10;
                                                                                                                                                                                                                                                                  isolated from captive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           core eudicots; Rosidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 321;
                                                                                                                               Montes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
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DR MEROPS; S29.002; ...
DR InterPro; IPR001410; DEAD.
DR InterPro; IPR0012518; HCV_NS2.
DR InterPro; IPR002518; HCV_NS4a.
DR InterPro; IPR002586; HCV_NS4b.
DR InterPro; IPR002868; HCV_NS4b.
DR InterPro; IPR002868; HCV_NS2b.
DR InterPro; IPR002866; Lipocln_cytFABP.
DR InterPro; IPR002866; Lipocln_cytFABP.
DR Pfam; PF01538; HCV_NS2; 1.
DR Pfam; PF01006; HCV_NS4b; 1.
DR Pfam; PF01001; HCV_NS4b; 1.
DR Pfam; PF01001; HCV_NS4b; 1.
DR Pfam; PF01998; HCV_NS5a; 1.
DR Pfam; PF01021; HCV_NS5a; 1.
DR Pfam; PF01021; HCV_NS5a; 1.
DR Pfam; PF01021; HCV_NS5a; 1.
DR Pfam; PF01006; HCV_NS4b; 1.
DR Pf
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